

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/05629

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01S H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KIM H-Y ET AL: "MOBILE POSITIONING USING IMPROVED LEAST SQUARES ALGORITHM IN CELLULAR SYSTEMS" IEICE TRANSACTIONS ON COMMUNICATIONS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E84-B, no. 1, January 2001 (2001-01), pages 138-140, XP000977989 ISSN: 0916-8516 paragraph '0002! ---	1-3, 5-13, 15-25
E	WO 03 044986 A (BELCEA JOHN ;MESHNETWORKS INC (US)) 30 May 2003 (2003-05-30) paragraph '0024! - paragraph '0036! claim 13 --- -/-	1-6, 8-16, 18-24

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the international search report

18 September 2003

30/09/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 883 598 A (WEITZEN JAY ET AL) 16 March 1999 (1999-03-16) column 14, line 29 -column 16, line 39 column 17, line 46 - line 62 ---	1-3, 6-13, 16, 18-20
X	WO 01 69956 A (NOKIA NETWORKS OY ;MOILANEN JANI (FI)) 20 September 2001 (2001-09-20) page 14, line 14 -page 16, line 18 page 18, line 7 - line 23 page 20, line 23 -page 21, line 27 -----	1-6, 8-16, 18-25

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05629

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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US 5883598	A	16-03-1999	AT	192853 T		15-05-2000
			AU	1412097 A		14-07-1997
			CA	2240628 A1		26-06-1997
			DE	69608311 D1		15-06-2000
			DE	69608311 T2		14-09-2000
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			WO	9722888 A1		26-06-1997
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			WO	0169956 A2		20-09-2001
			EP	1264507 A2		11-12-2002
			US	2003096622 A1		22-05-2003